

甘肃牛姆瓜属一新种

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A NEW SPECIES OF *HOLBOELLIA* FROM GANSU

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Abstract One new species of *Holboellia* (Lardizabalaceae) is described from Gansu Province, China. It is *Holboellia apetala* Q. Xia, J. Z. Suen et Z. X. Peng.

Key words *Holboellia*; *H. apetala*

关键词 牛姆瓜属; 缺瓣牛姆瓜

缺瓣牛姆瓜 新种 图 1

Holboellia apetala Q. Xia, J. Z. Suen et Z. X. Peng, sp. nov.

Liana scandens. Caulis veternus fumidus, lenticellis ellipticis. Rami annui virides, laeves. Folia palmatim composita, alterna; petiolis 5—6 cm longis, gracilibus; foliola (4)5—7, tenuiter coriacea, obovata vel obovato-elliptica, 3—4.5 cm longa, 1.4—2.5 cm lata, media paulo majora, apice emarginata, basi late cuneata usque subrotundata, obscure trinervata, margine integra revoluta supra atrovirentia, infra glauco-viridia, mamillis minimis; petiolulis 4—15 mm longis. Racemi axillares, 4.5—5 cm longi, 7—12-flori; bracteolae lanceolatae, c. 1 mm longae. Flores albi, unisexuales; flores ♂ 5—10, secus partem superiorem inflorescentiae dispositi; pedicelli 2—4 mm longi; sepala 6 biseriata, inaequilonga, exteriora 3 ovato-lanceolata, 10—15 mm longa, 2.5—4 mm lata, interiora 3 linearia, 12—20 mm longa, 1—5 mm lata; petala nulla; stamina 6, filamentis liberis, 0.6—0.8 mm longis, antheris 2.5—3 mm longis, apice appendicibus c. 0.3—0.4 mm longis cornutis; pistillodia 3, subulata; pollinis granum longe globosum isopolariter tricolpatum $[20.17\ \mu\text{m}-(21.61\ \mu\text{m})-23.30\ \mu\text{m}] \times [13.21\ \mu\text{m}-(14.30\ \mu\text{m})-15.63\ \mu\text{m}]$ exinis foveolatis; flores ♀ 1—2, in parte inferiore ejusdem inflorescentiae inserti, plerumque floribus ♂ paulo majores; sepala 6, biseriata, inaequilonga, exteriora 3 longe ovata 1.5—1.8 cm longa, 0.5—0.6 cm lata, interiora linearilanceolata, 2—2.2 cm longa, 0.2—0.3 cm lata; carpella 3, breviter columnaria; staminoidia 6, parva. Fructus ignotus. Floret Aprili vel Majo.

Haec species floribus ♂ apetalis, filamentis brevioribus, sepalis interioribus angustioribus a congeneris diversa; Stauntoniae floris ♂ characteribus aliquibus, sed filamentis liberis, pollinium granis foveolatis bene differt.

本文经王文采先生、覃海宁同志、武振邦先生审阅,在此一并致谢。

1988.07.14收稿。

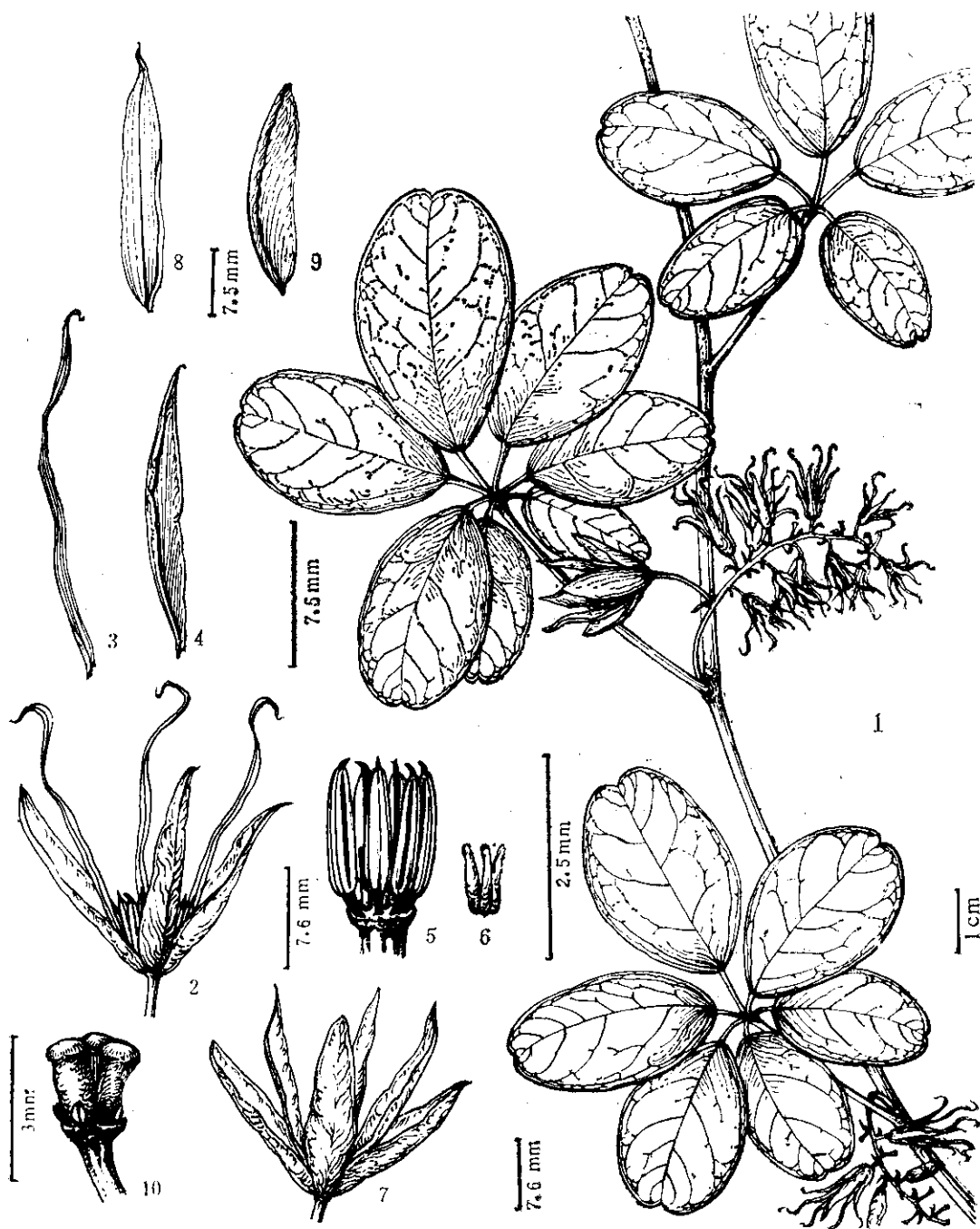


图1 缺瓣牛姆瓜 *Holboellia apetala* 1. 植株 plant; 2. 雄花 male flower; 3. 雄花内轮萼片 inner sepal of male flower; 4. 雄花外轮萼片 outer sepal of male flower; 5. 雄蕊 [stamens]; 6. 退化雌蕊 pistillodes; 7. 雌花 female flower; 8. 雌花内轮萼片 inner sepal of female flower; 9. 雌花外轮萼片 outer sepal of female flower; 10. 雌蕊 pistils.

Gansu (甘肃): Wenxian, Dianba (文县, 店坝), alt. 1000m, 1976. 05. 20, Wang Hong-jie (王宏杰), Hu Zhi-xin (胡志新) 722 (Typus, WUG); Wenxian, Fanba (文

县,范坝), alt. 600m, 1964. 04. 11, Wang Zue-bin (王作宾) 18980.

攀援藤本,老茎灰褐色,有椭圆形皮孔;一年生枝条绿色,光滑。掌状复叶,互生;总叶柄长 5—6cm,纤细;小叶 (4)5—7,薄革质,倒卵圆形或倒卵状椭圆形,长 3—4.5cm,宽 1.4—2.5cm,中间小叶稍大,先端微凹,基部宽楔形至近圆形,具不明显的三出脉,叶全缘,边缘略向下反卷,上面深绿色,下面粉绿色,具极小的乳突;小叶柄长 4—15mm。总状花序腋生,长 4.5—5cm,具 7—12 朵花;小苞片披针形,长约 1mm,花白色,雌雄同株。雄花: 5—10 朵,生于花序上部,花梗长 2—4mm;萼片 6,外轮 3 片卵状披针形,长 1—1.5cm,宽 2.5—4mm,内轮 3 片条形,长 1.2—2cm,宽 1—5mm;无花瓣;雄蕊 6 枚,花丝分离,长 0.6—0.8mm,花药长 2.5—3mm,先端有长约 0.3—0.4mm 的角状附属物;退化雌蕊 3 枚,锥状;花粉粒长球形,等极,三沟,大小为 $[20.17\mu\text{m}-(21.61)-23.30\mu\text{m}] \times [13.21\mu\text{m}-(14.30)-15.63\mu\text{m}]$,外壁具穴状雕纹。雌花: 1—2 朵,生于同一花序的下部,稍大于雄花,萼片 6,排列为两轮,不等长,外轮 3 片卵圆形,长 1.5—1.8cm,宽 5—6mm,内轮 3 片条状披针形,长 2—2.2cm,宽 2—3mm,心皮 3,短圆柱状,退化雄蕊小,6 枚。果实未见。花期 4—5 月。

该植物的雄花无花瓣,花丝很短,内轮萼片十分狭窄,是 *Holboellia* 属中十分特殊的类型;其雄花某些特征与 *Stauntonia* 属植物接近,但又因花丝分离、花粉粒表面具穴状雕纹而与之明显不同。